

1644



1600

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/685,830B

DATE: 10/31/2002  
 TIME: 16:02:24

Input Set : D:\465c3.app.txt  
 Output Set: N:\CRF4\10312002\I685830B.raw

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TECH CENTER 1600/2900

ENTERED

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3 <110> APPLICANT: Gaiger, Alexander
4   Cheever, Martin A.
7 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR WT1
8   SPECIFIC IMMUNOTHERAPY
10 <130> FILE REFERENCE: 210121.465C3
12 <140> CURRENT APPLICATION NUMBER: US 09/685,830B
13 <141> CURRENT FILING DATE: 2000-10-09
15 <150> PRIOR APPLICATION NUMBER: US 09/684,361
16 <151> PRIOR FILING DATE: 2000-10-06
18 <150> PRIOR APPLICATION NUMBER: US 09/276,484
19 <151> PRIOR FILING DATE: 1999-03-25
21 <150> PRIOR APPLICATION NUMBER: US 09/164,223
22 <151> PRIOR FILING DATE: 1998-09-30
24 <160> NUMBER OF SEQ ID NOS: 326
26 <170> SOFTWARE: FastSEQ for Windows Version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 17
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapien
33 <400> SEQUENCE: 1
34   Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly Gly Gly
35     1             5             10             15
36   Gly
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 23
41 <212> TYPE: PRT
42 <213> ORGANISM: Homo sapien
44 <400> SEQUENCE: 2
45   Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
46     1             5             10             15
47   Tyr Leu Pro Ser Cys Leu Glu
48             20
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 23
52 <212> TYPE: PRT
53 <213> ORGANISM: Mus musculus
55 <400> SEQUENCE: 3
56   Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
57     1             5             10             15
58   Tyr Leu Pro Ser Cys Leu Glu
59             20
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 19

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63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapien
66 <400> SEQUENCE: 4
67 Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys
68   1           5           10           15
69 Trp Thr Glu
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 22
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapien
77 <400> SEQUENCE: 5
78 gagagtcaga cttgaaagca gt 22
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapien
85 <400> SEQUENCE: 6
86 ctgagcctca gcaaattgggc 20
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 27
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo sapien
93 <400> SEQUENCE: 7
94 gagcatgcat gggctccgac gtgcggg 27
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 25
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo sapien
101 <400> SEQUENCE: 8
102 ggggtaccca ctgaacgggtc cccga 25
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 18
106 <212> TYPE: DNA
107 <213> ORGANISM: Mus musculus
109 <400> SEQUENCE: 9
110 tccgagccgc acctcatg 18
112 <210> SEQ ID NO: 10
113 <211> LENGTH: 18
114 <212> TYPE: DNA
115 <213> ORGANISM: Mus musculus
117 <400> SEQUENCE: 10
118 gcctgggatg ctggactg 18
120 <210> SEQ ID NO: 11
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Mus musculus
125 <400> SEQUENCE: 11
126 gagcatgcga tgggttccga cgtgcgg 27
128 <210> SEQ ID NO: 12

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129 <211> LENGTH: 29
130 <212> TYPE: DNA
131 <213> ORGANISM: Mus musculus
133 <400> SEQUENCE: 12
134 ggggtacctc aaagcgccac gtggagttt
136 <210> SEQ ID NO: 13
137 <211> LENGTH: 17
138 <212> TYPE: PRT
139 <213> ORGANISM: Mus musculus
141 <400> SEQUENCE: 13
142 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser Ser Leu Gly Gly Gly
143 1 5 10 15
144 Gly
147 <210> SEQ ID NO: 14
148 <211> LENGTH: 19
149 <212> TYPE: PRT
150 <213> ORGANISM: Mus musculus
152 <400> SEQUENCE: 14
153 Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser Ser Val Lys
154 1 5 10 15
155 Trp Thr Glu
158 <210> SEQ ID NO: 15
159 <211> LENGTH: 15
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapien
163 <400> SEQUENCE: 15
164 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
165 1 5 10 15
167 <210> SEQ ID NO: 16
168 <211> LENGTH: 15
169 <212> TYPE: PRT
170 <213> ORGANISM: Mus musculus
172 <400> SEQUENCE: 16
173 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
174 1 5 10 15
176 <210> SEQ ID NO: 17
177 <211> LENGTH: 14
178 <212> TYPE: PRT
179 <213> ORGANISM: Mus musculus
181 <400> SEQUENCE: 17
182 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser
183 1 5 10
185 <210> SEQ ID NO: 18
186 <211> LENGTH: 14
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo sapien
190 <400> SEQUENCE: 18
191 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser
192 1 5 10

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194 <210> SEQ ID NO: 19
195 <211> LENGTH: 15
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapien
199 <400> SEQUENCE: 19
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201     1           5           10           15
203 <210> SEQ ID NO: 20
204 <211> LENGTH: 15
205 <212> TYPE: PRT
206 <213> ORGANISM: Mus musculus
208 <400> SEQUENCE: 20
209   Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
210     1           5           10           15
212 <210> SEQ ID NO: 21
213 <211> LENGTH: 21
214 <212> TYPE: DNA
215 <213> ORGANISM: Mus musculus
217 <400> SEQUENCE: 21
218   cccaggetgc aataagagat a
220 <210> SEQ ID NO: 22
221 <211> LENGTH: 21
222 <212> TYPE: DNA
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 22
226   atgttgtgat ggcggaccaa t
228 <210> SEQ ID NO: 23
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Homo sapien
233 <400> SEQUENCE: 23
234   gtggggcgcc ccaggcacca
236 <210> SEQ ID NO: 24
237 <211> LENGTH: 24
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapien
241 <400> SEQUENCE: 24
242   gtccttaatg ctacgcacga tttc
244 <210> SEQ ID NO: 25
245 <211> LENGTH: 21
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapien
249 <400> SEQUENCE: 25
250   ggcattctgag accagtgaga a
252 <210> SEQ ID NO: 26
253 <211> LENGTH: 21
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <400> SEQUENCE: 26

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258  gctgtccac ttacagatgc a                                21
260 <210> SEQ ID NO: 27
261 <211> LENGTH: 21
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapien
265 <400> SEQUENCE: 27
266  tcaaagcgcc agctggagtt t                                21
268 <210> SEQ ID NO: 28
269 <211> LENGTH: 9
270 <212> TYPE: PRT
271 <213> ORGANISM: Homo sapien
273 <400> SEQUENCE: 28
274  Ala Ala Gly Ser Ser Ser Ser Val Lys
275    1                      5
277 <210> SEQ ID NO: 29
278 <211> LENGTH: 9
279 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapien
282 <400> SEQUENCE: 29
283  Ala Ala Gln Phe Pro Asn His Ser Phe
284    1                      5
286 <210> SEQ ID NO: 30
287 <211> LENGTH: 9
288 <212> TYPE: PRT
289 <213> ORGANISM: Homo sapien
291 <400> SEQUENCE: 30
292  Ala Glu Pro His Glu Glu Gln Cys Leu
293    1                      5
295 <210> SEQ ID NO: 31
296 <211> LENGTH: 9
297 <212> TYPE: PRT
298 <213> ORGANISM: Homo sapien
300 <400> SEQUENCE: 31
301  Ala Gly Ala Cys Arg Tyr Gly Pro Phe
302    1                      5
304 <210> SEQ ID NO: 32
305 <211> LENGTH: 9
306 <212> TYPE: PRT
307 <213> ORGANISM: Homo sapien
309 <400> SEQUENCE: 32
310  Ala Gly Ser Ser Ser Ser Val Lys Trp
311    1                      5
313 <210> SEQ ID NO: 33
314 <211> LENGTH: 9
315 <212> TYPE: PRT
316 <213> ORGANISM: Homo sapien
318 <400> SEQUENCE: 33
319  Ala Ile Arg Asn Gln Gly Tyr Ser Thr
320    1                      5

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VERIFICATION SUMMARY

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